**8th Grade Science Lab Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Directions: 1) Complete the lab information below – Lab Report is DUE ON \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***2) Type your answers in the boxes below each section.***

**Purpose: (Why are you doing this?)**

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**Safety: (List 2 precautions should you take when completing the experiment/activity?)**

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**Materials: (List the materials used in the experiment)**

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**Procedure: (Explain how you will complete the experiment)**

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| **1. Gather materials and put on safety goggles**  **2. Make a prediction before beginning the lab.**  **3.**  **4.**  **5.**  **6.**  **7.**  **8. Answer the questions at the end of the lab** |

**Controls: (What did you keep the same in the experiment?)**

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**Variables: (What did you change in the experiment?)**

**Independent (Manipulated) Variable – What did you decide you wanted to test in the experiment?**

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**Dependent (Responding) Variable –What changed in the experiment? What change were you measuring?**

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**Hypothesis: (Use an “If, then” statement to make a measurable prediction)**

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**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Data Table**

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| --- | --- | --- |
| **Trial #** | **Variable (unit)** | **Qualitative Observation** |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **Average** |  |  |

**Analyze and Conclude: (Answer the questions using complete sentences)**

1. **Observing – What did you observe in the experiment?**

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1. **Measurements - Were you measurements accurate? Were your measurements precise?**

**Explain your answer using test results.**

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1. **Was your hypothesis supported? (Answer Yes/No and EXPLAIN using test results)**

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1. **Type a paragraph to explain what you learned by completing this experiment.**

**Use scientific terms and definitions in your answers.**

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